Date: November 5, 2002
To: T10 Committee (SCSI)
From: George Penokie (IBM/Tivoli)
Subject: State machine phraseology

1 State to State within a State machine

This transition shall occur after sending the Abc confirmation to the xyz layer.

This transition shall occur if a XYZ PRIMITIVE is received.

This transition shall occur after a XYZ PRIMITIVE is received

Should not use “This transition shall occur when a XYZ PRIMITIVE is received”

This state shall send an Abc (Argument) parameter to the xyz state machine

This state shall send an Abc (Argument) parameter to the xyz state.

Should not use “This state shall be exited after receiving a XYZ PRIMITIVE.”

Should not use “This state shall be exited after receiving an Abc.”

Should not use “This state shall be exited after receiving an Abc (Argument).”

This transition shall occur after sending a XYZ PRIMITIVE (ARGUMENT) parameter to the abc state.

This transition shall occur after sending a XYZ PRIMITIVE parameter to the abc state.

This transition shall occur after receiving a XYZ PRIMITIVE (ARGUMENT) parameter.

This transition shall occur after receiving a XYZ PRIMITIVE parameter.

If this state is entered from the abc state with an argument of xyz...

If this state was entered as a result of receiving an abc parameter....

This transition shall pass a xyz argument to the abc state.

2 Layer to layer

If an Abc request is received...

If an Abc (Argument) request is received...

If a XYZ PRIMITIVE parameter is received this state shall send a Abc confirmation to the xyz layer.

If a XYZ PRIMITIVE (ARGUMENT) parameter is received this state shall send a Abc (Argument) confirmation to the xyz layer.

3 Layer to/from Application Layer

If an Abc protocol service request is received from the application layer...
If an Abc (Argument) protocol service request is received from the application layer...

If an Abc protocol service response is received from the application layer...

If an Abc (Argument) protocol service response is received from the application layer...

If a XYZ PRIMITIVE parameter is received this state shall send a Abc protocol service indication to the application layer.

If a XYZ PRIMITIVE (ARGUMENT) parameter is received this state shall send a Abc (Argument) protocol service indication to the application layer.

If a XYZ PRIMITIVE (ARGUMENT) parameter is received this state shall send a Abc (Argument) protocol service confirmation to the application layer.

If a XYZ PRIMITIVE parameter is received this state shall send a Abc protocol service confirmation to the application layer.

If a XYZ PRIMITIVE (ARGUMENT) parameter is received this state shall send a Abc (Argument) protocol service confirmation to the application layer.

4 Layer to/from link

This state shall request a xyz be transmitted by sending a XYZ PRIMITIVE (ARGUMENT) parameter to the transmitter.

This state shall request a xyz be transmitted by sending a XYZ PRIMITIVE parameter to the transmitter.

This transition shall occur after sending a XYZ PRIMITIVE (ARGUMENT) parameter to the transmitter.

This transition shall occur after sending a XYZ PRIMITIVE parameter to the transmitter.

If a XYZ PRIMITIVE (ARGUMENT) parameter is received ....

If a XYZ PRIMITIVE parameter is received ...

This transition shall occur after receiving a XYZ PRIMITIVE (ARGUMENT) parameter.

This transition shall occur after receiving a XYZ PRIMITIVE parameter.